

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

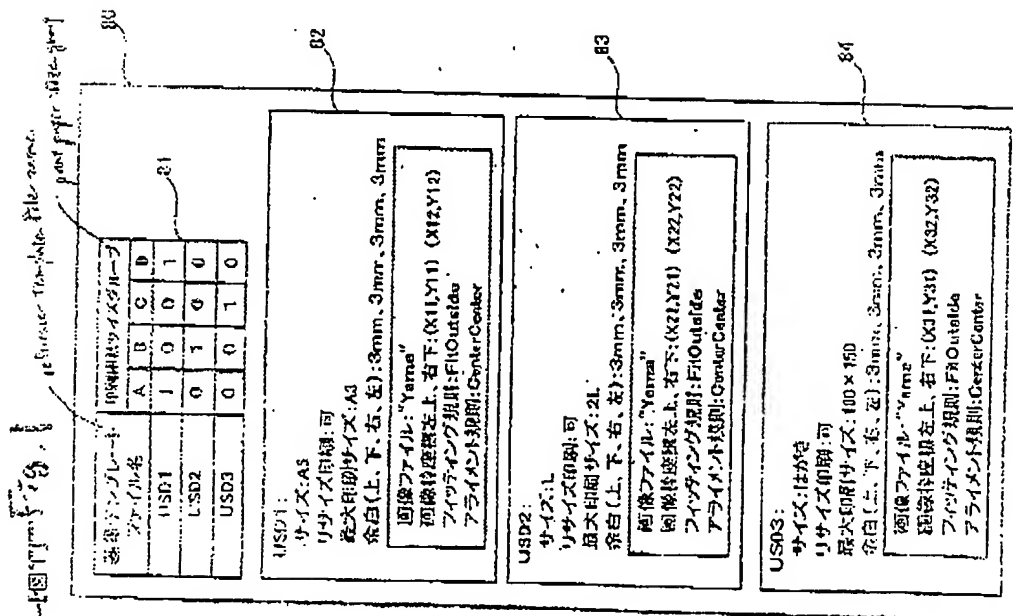
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

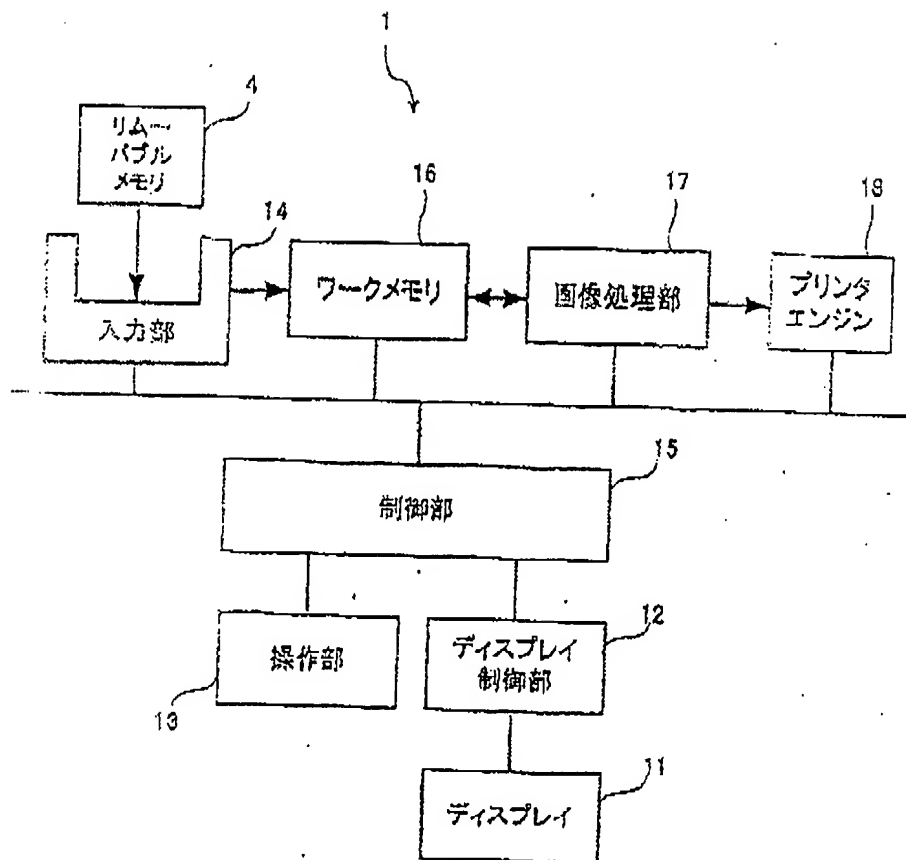


size: A3;
resize printing: possible;
maximum print size: A3;
margins (upper, lower, right, left): 3mm, 3mm, 3mm, 3mm;
image file: "Yama";
upper left image frame coordinate, lower right image frame coordinate:
(X11, Y11), (X12, Y12);
fitting rule: FitOutside;
alignment rule: CenterCenter;

size: L;
resize printing: possible;
maximum print size: 2L;
margins (upper, lower, right, left): 3mm, 3mm, 3mm, 3mm;
image file: "Yama";
upper left image frame coordinate, lower right image frame coordinate:
(X21, Y21), (X22, Y22);
fitting rule: FitOutside;
alignment rule: CenterCenter;

size: postal card;
resize printing: possible;
maximum print size: 100 X 150;
margins (upper, lower, right, left): 3mm, 3mm, 3mm, 3mm;
image file: "Yama";
upper left image frame coordinate, lower right image frame coordinate:
(X31, Y31), (X32, Y32);
fitting rule: FitOutside;
alignment rule: CenterCenter;

[図2] Fig. 2



- 4 removable memory;
- 11 display;
- 12 display control unit;
- 13 operation unit;
- 14 input unit;
- 15 control unit;
- 16 work memory;
- 17 image processing unit;
- 18 printer engine;

図 3A

Fig. 3A

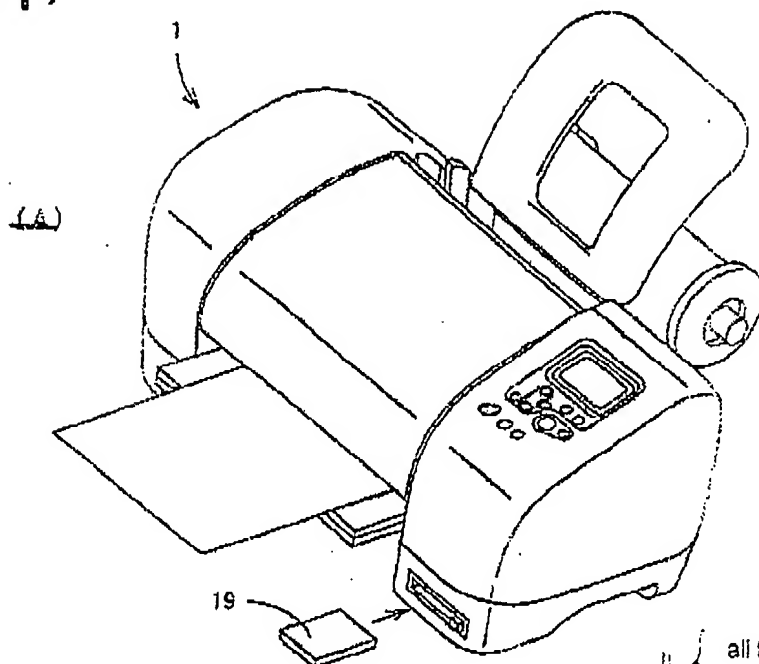
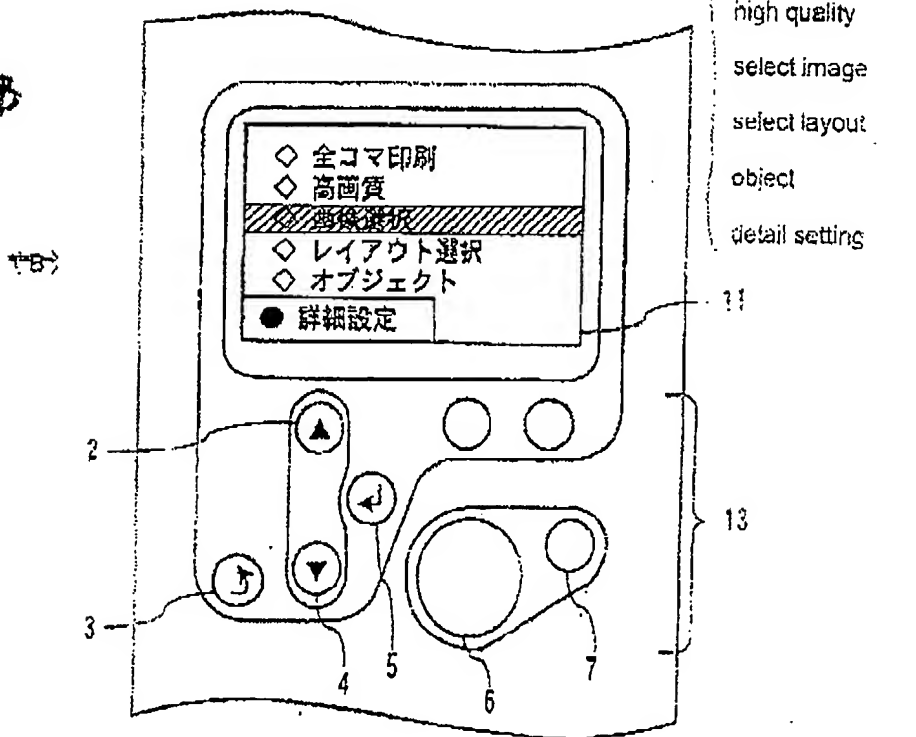
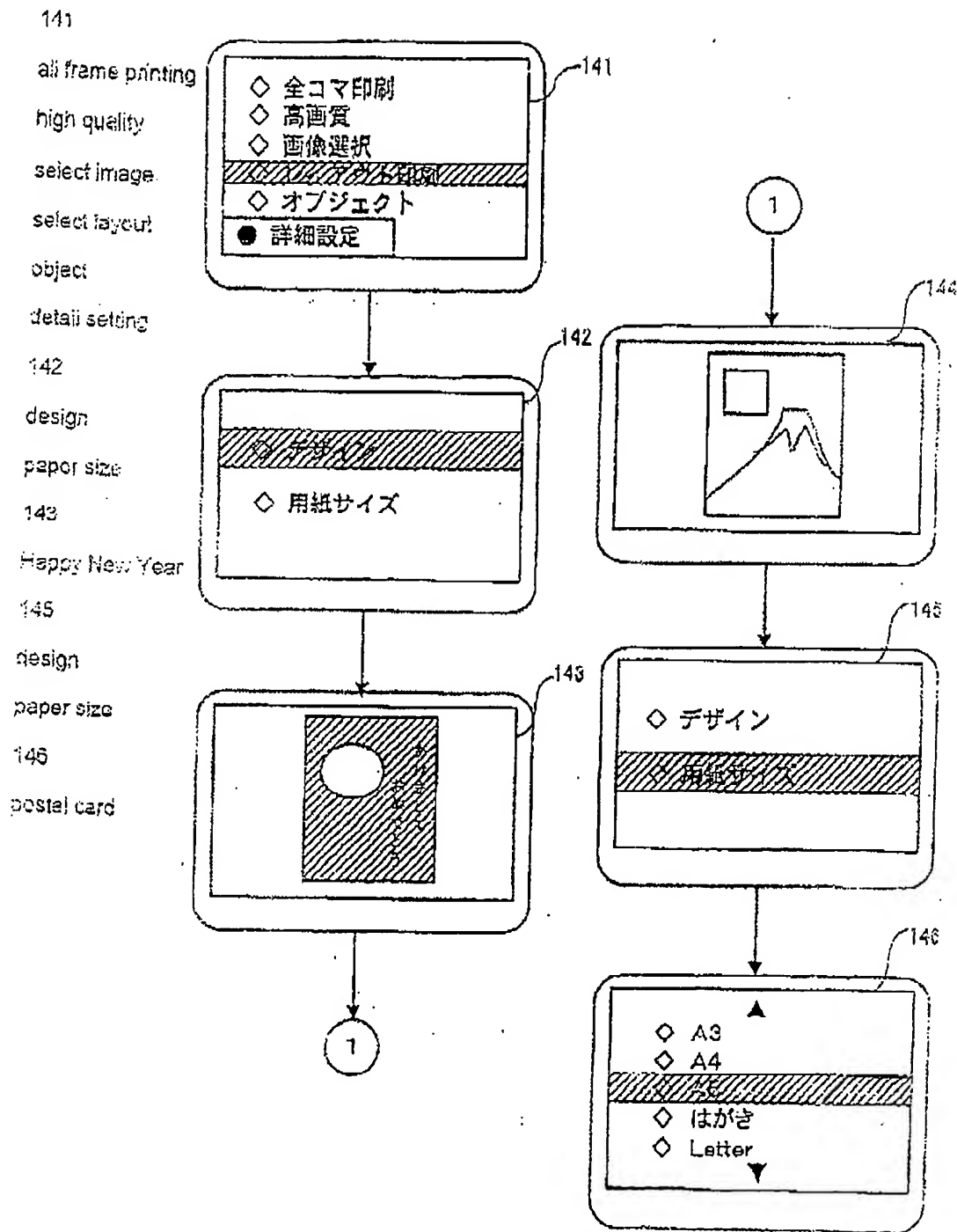


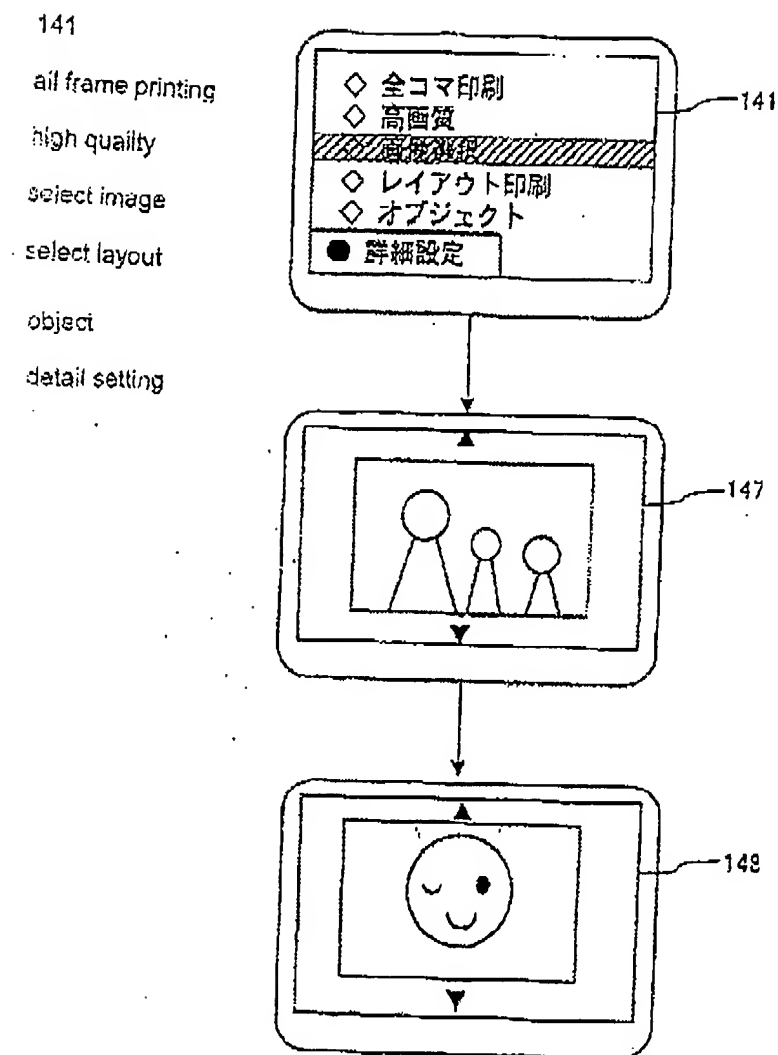
Fig. 3B



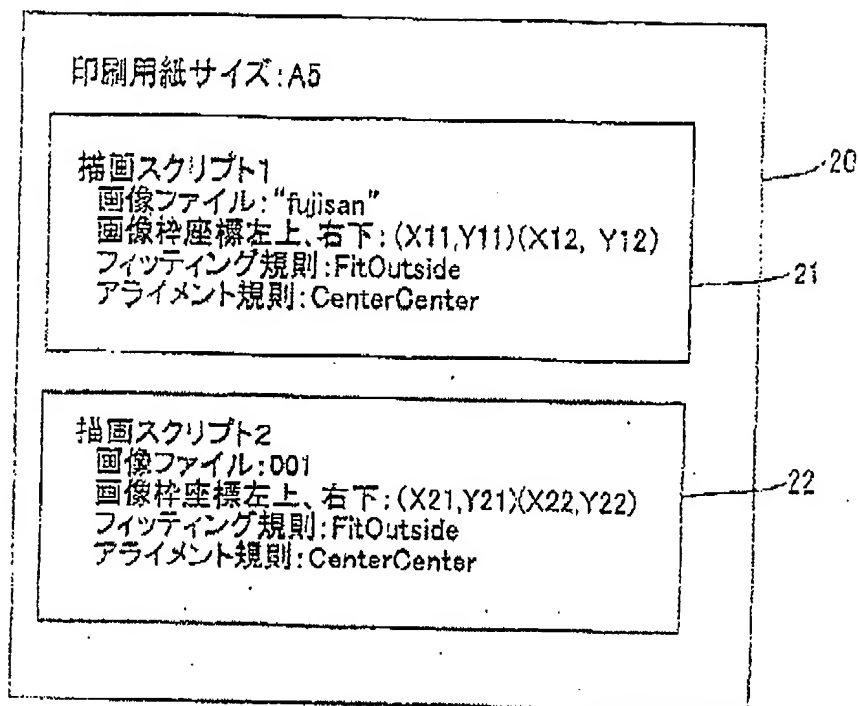
【図4】 Fig. 4



[図5] Fig. 5



~~図6~~ Fig. 6



printing paper size: A5;

drawing script 1;

image file: "fujisan";

upper left image frame coordinate, lower right image frame coordinate: (X11, Y11), (X12, Y12);

fitting rule: FitOutside;

alignment rule: CenterCenter;

drawing script 2;

image file: "001";

upper left image frame coordinate, lower right image frame coordinate: (X21, Y21), (X22, Y22);

fitting rule: FitOutside;

alignment rule: CenterCenter;

Fig. 7A

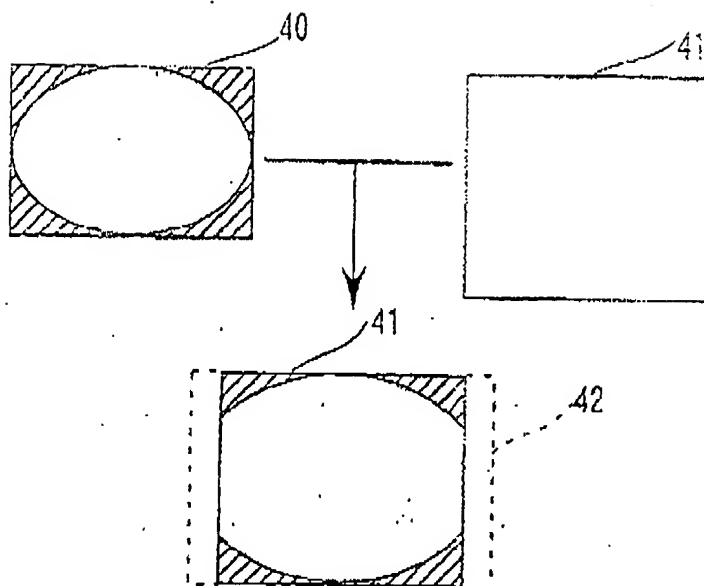
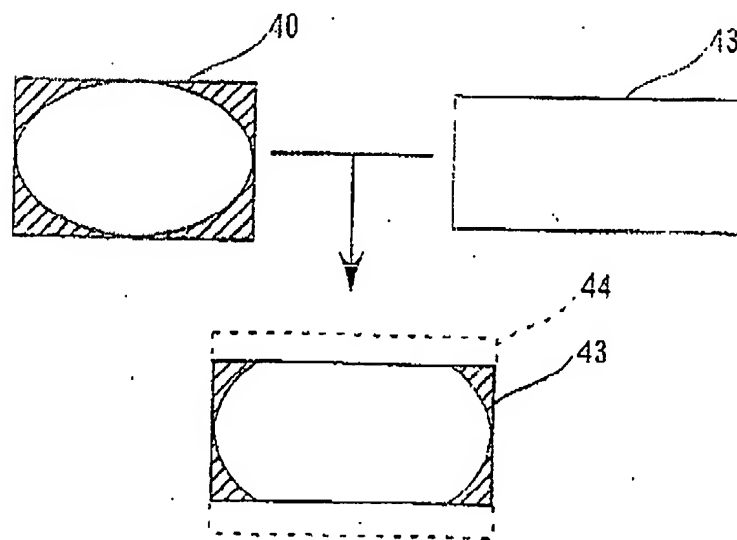


Fig. 7B



~~FIG. 8A~~

Fig 8A

(A)

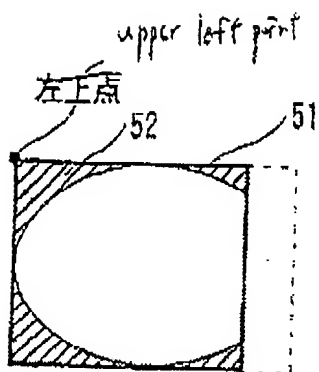


Fig 8B

(B)

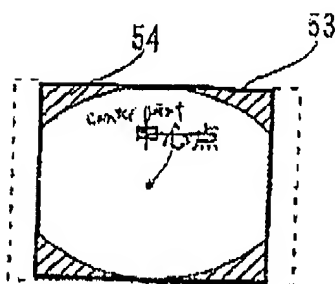


Fig. 8C

(C)

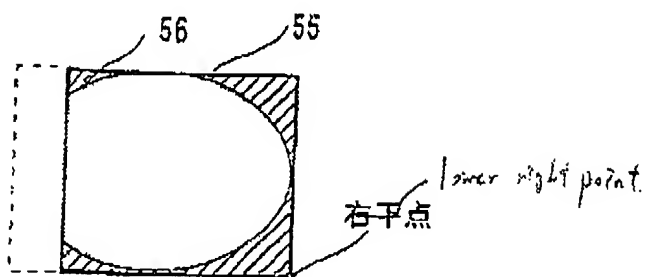


Fig. 9A

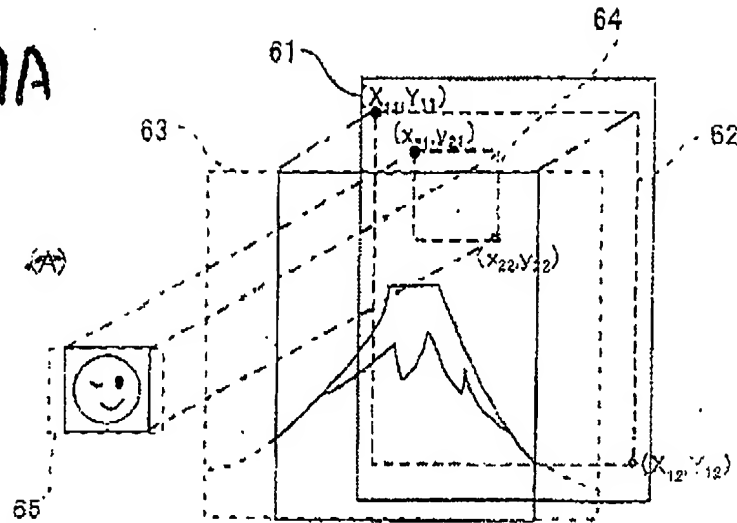


Fig. 9B

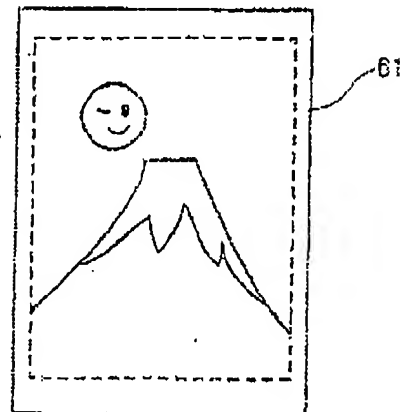
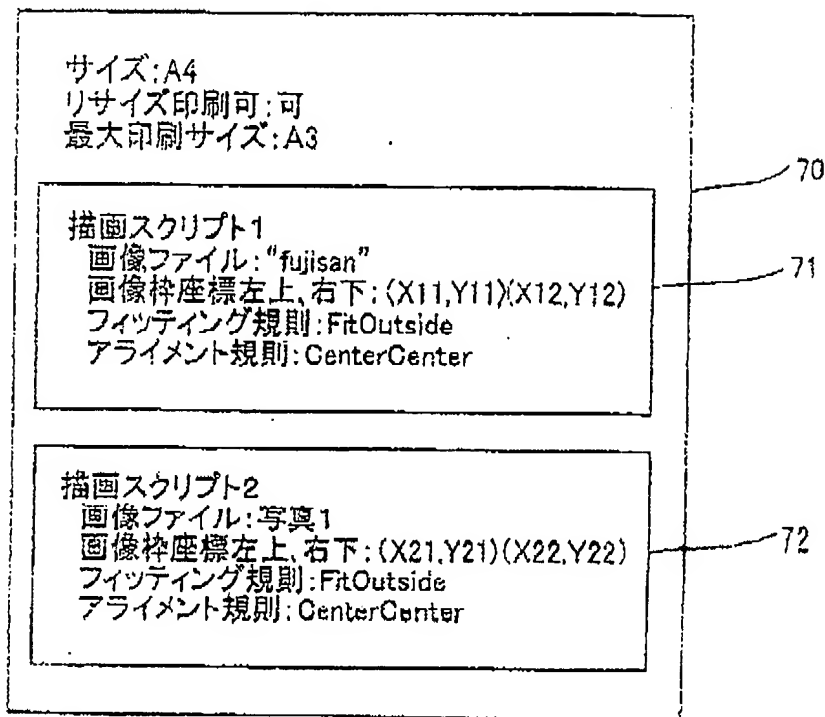


Fig. 10



size: A4
 resize printing: possible;
 maximum print size: A3;

drawing script 1;
 image file: "fujisan";
 upper left image frame coordinate, lower right image frame coordinate: (X11, Y11), (X12, Y12);
 fitting rule: FitOutside;
 alignment rule: CenterCenter;

drawing script 2;
 image file: photograph 1;
 upper left image frame coordinate, lower right image frame coordinate: (X21, Y21), (X22, Y22);
 fitting rule: FitOutside;
 alignment rule: CenterCenter;

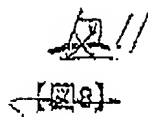


Fig. 11

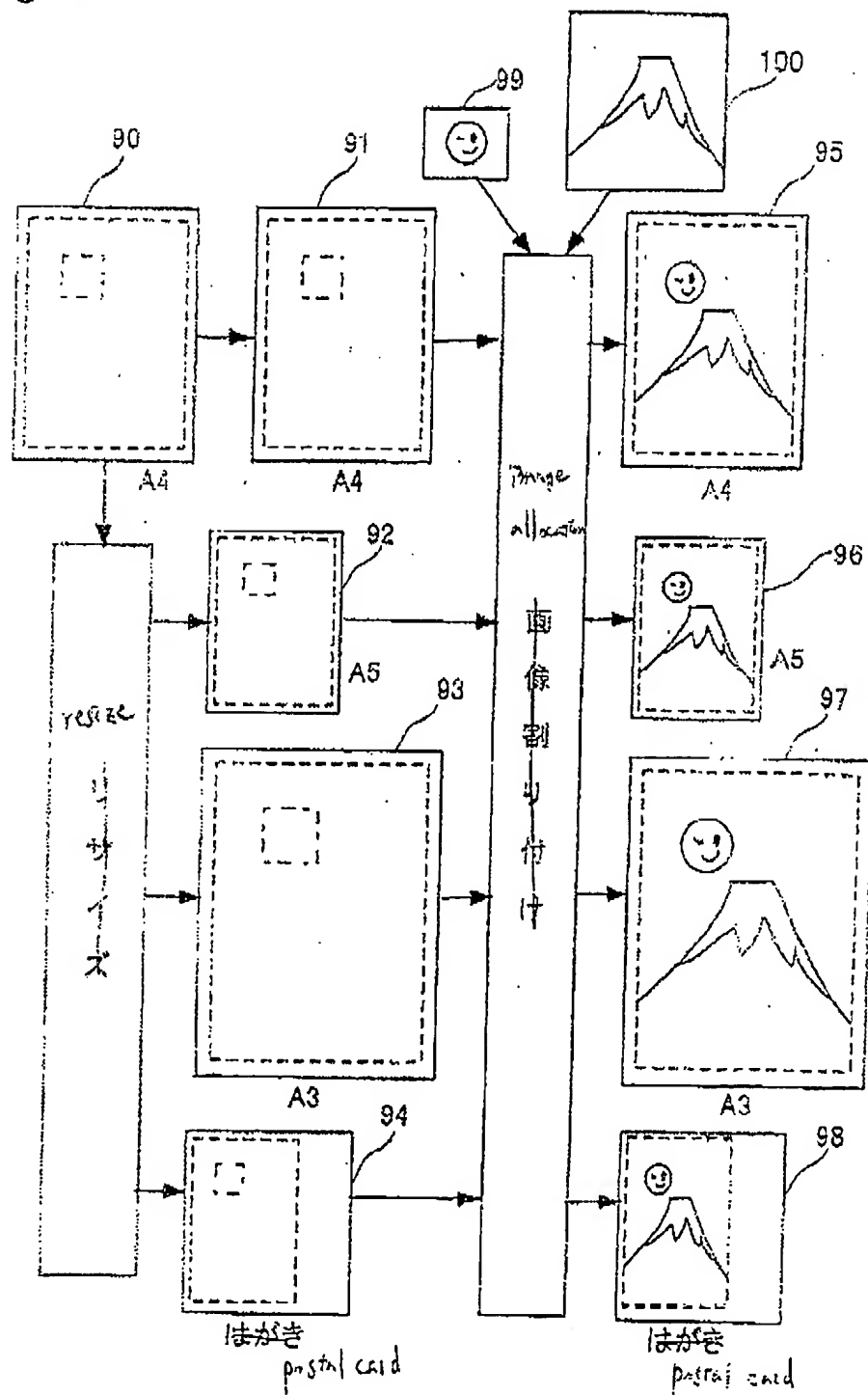
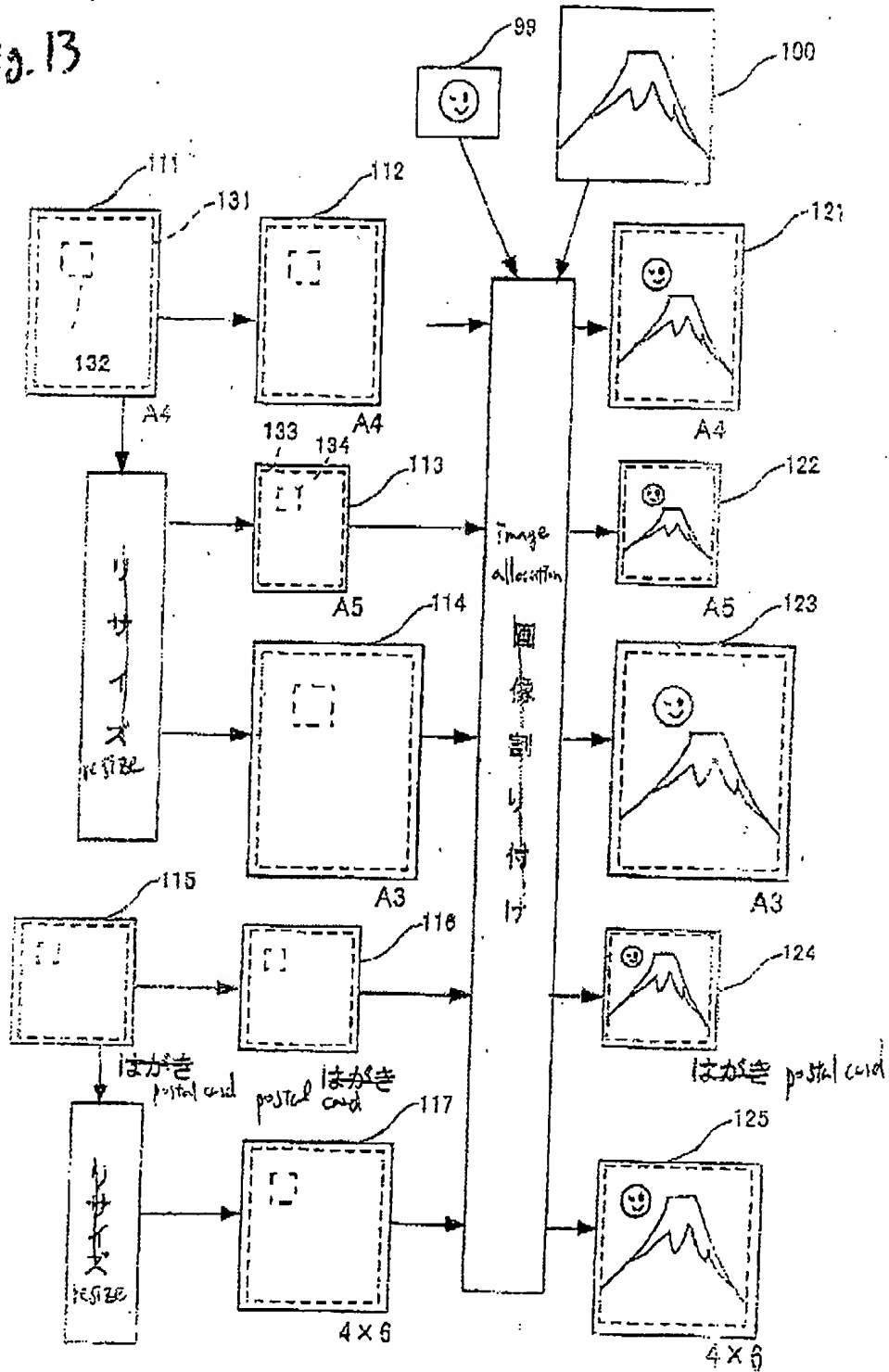
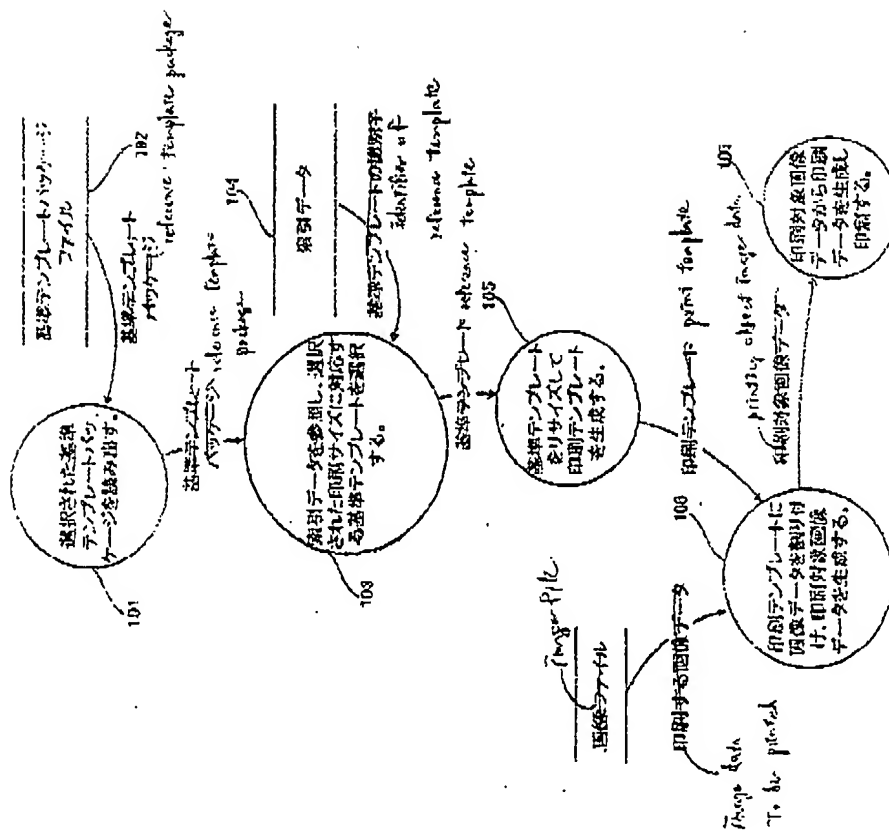


Fig. 13





101	read selected reference template package;
102	reference template package life
103	select reference template corresponding to selected print size by relating to
104	index data;
105	resize reference template so as to produce print template;
106	allocate image data to print template so as to produce printing object image
107	produce print data from printing object image data, and print produced print
108	data;

Fig. 15

~~Fig. 15~~
~~Fig. 15~~

elongation size postal card

	AX	BX	AX	L	2L	100 x 150	100 x 150	4 x 6
USD1	○	○	○					
USD2				○	○			
USD3						○	○	○

Fig. 16

Table

図面番号

middle/act position of
picture picture position

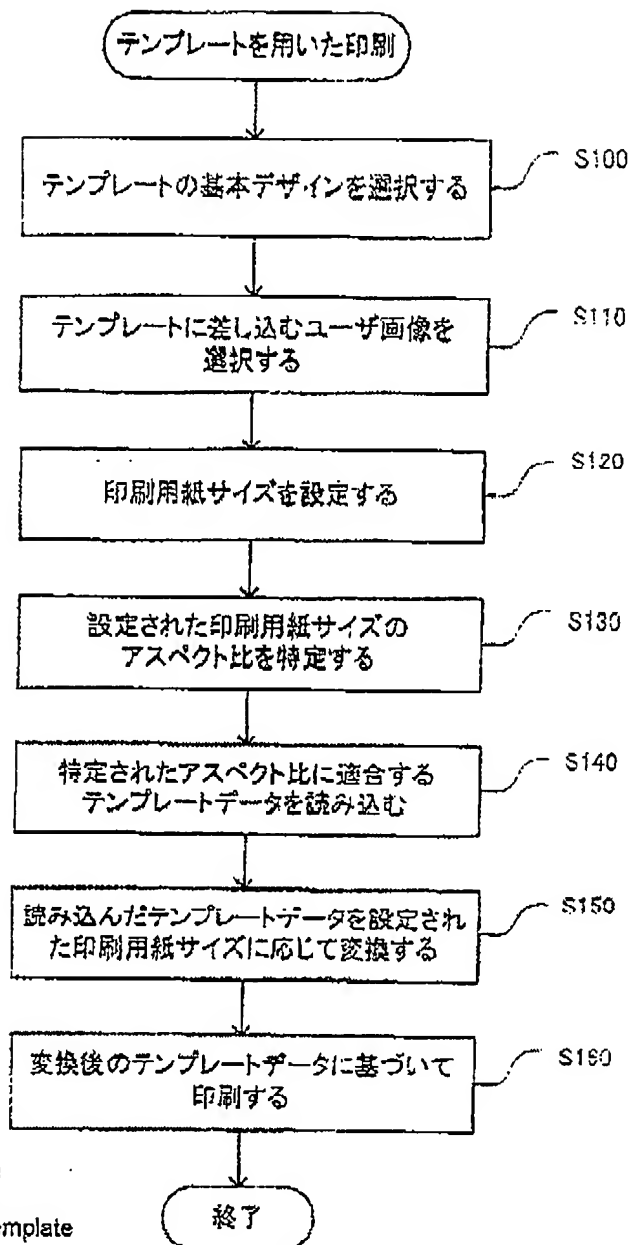
図面番号	図面名	図面サイズ	図面位置	図面位置	図面位置
USD1	図面名	図面サイズ	図面位置	図面位置	図面位置
USD2	図面名	図面サイズ	図面位置	図面位置	図面位置
USD3	図面名	図面サイズ	図面位置	図面位置	図面位置

size: postal card;
margins (upper, lower, left, right): 3mm, 3mm, 3mm, 3mm;
drawing script 1;
image file "Yama";
upper left image frame coordinate, lower right image frame coordinate: (X11, Y11), (X12, Y12);

size: A4;
margins (upper, lower, right, left): 6mm, 6mm, 6mm, 6mm;
drawing script 1;
image file "Yama";
upper left image frame coordinate, lower right image frame coordinate: (X21, Y21), (X22, Y22);

size: 4 X 6;
margins (upper, lower, right, left): 3mm, 3mm, 3mm, 3mm;
drawing script 1;
image file "Yama";
upper left image frame coordinate, lower right image frame coordinate: (X31, Y31), (X32, Y32);

~~Fig. 12~~ ^{Fig. 17}



printing operation using template

S100 select basic design of template

S110 select user image which is inserted into template

S120 set printing paper size

S130 specify aspect ratio of set printing paper size

S140 read template data which is fitted to specified aspect ratio

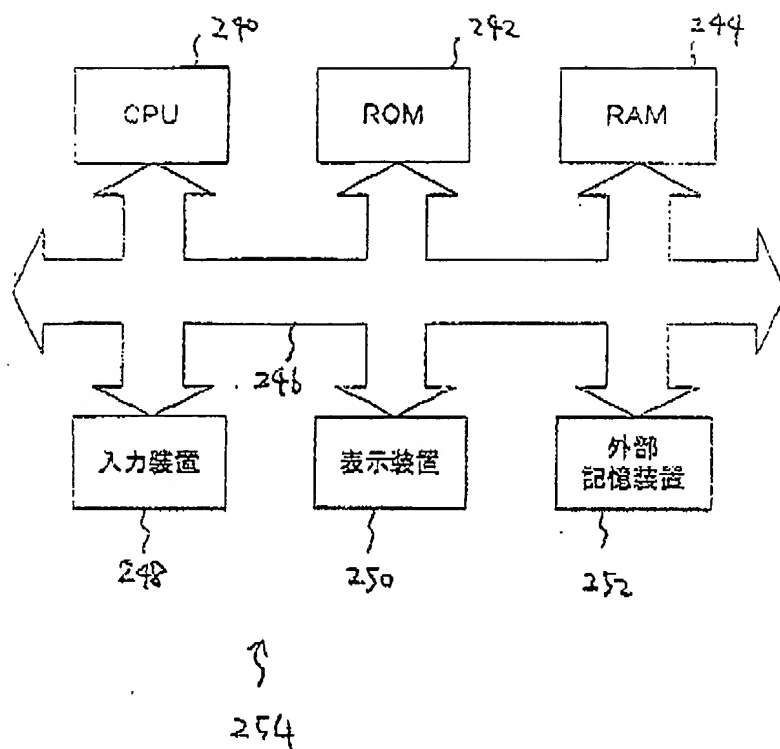
S150 convert read template data in response to set printing paper size

S160 print based upon template data after conversion

end

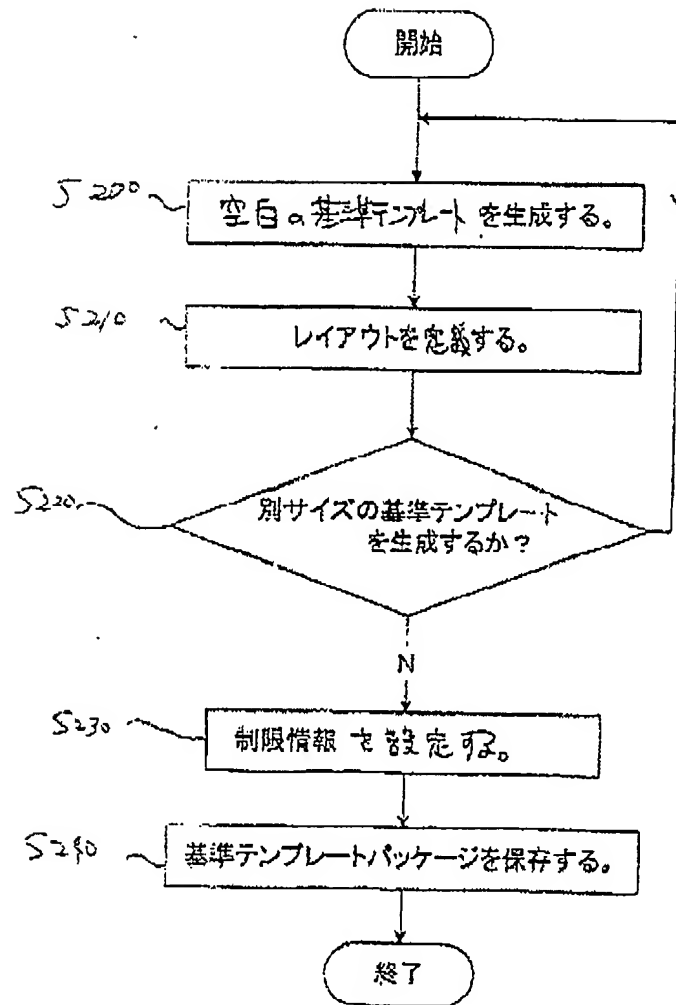
Fig. 18

[249]



- 248 input apparatus
- 250 display apparatus
- 252 external storage apparatus

Fig. 19



START

S200: produce a blank reference template

S210: define a layout

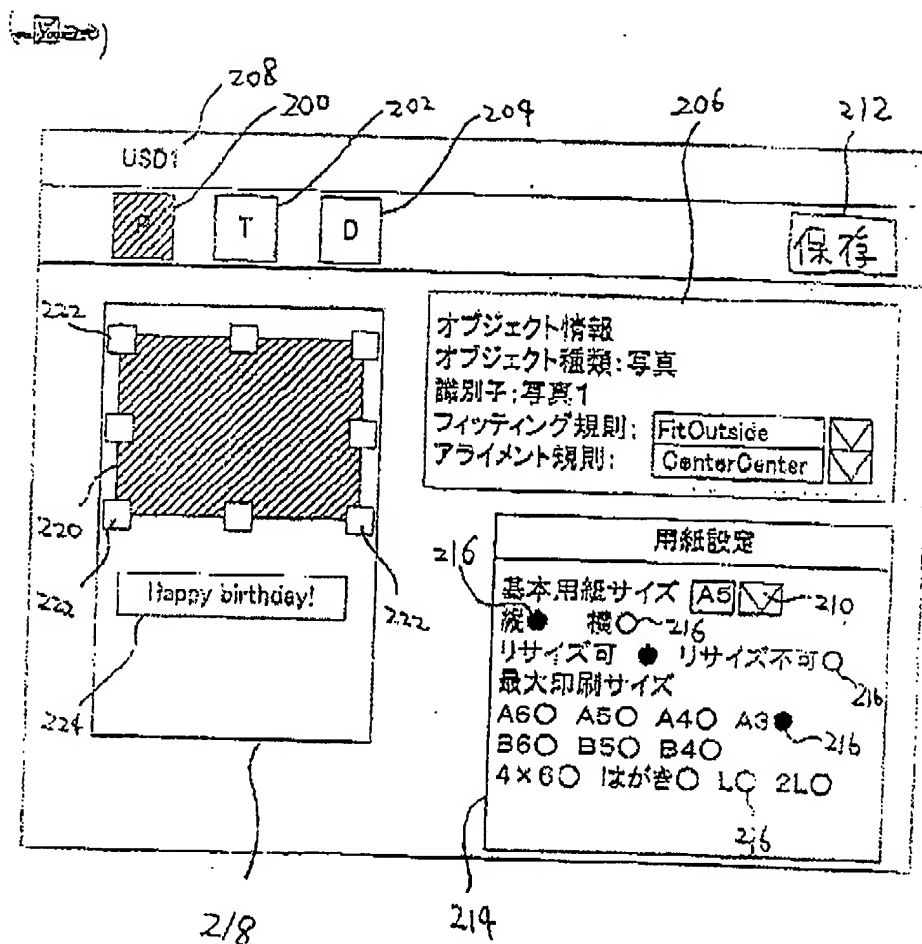
S220: another different size is produced ?

S230: set restriction information

S240: store the produced reference template package

END

Fig. 20



206

object information

class of object: photograph

identifier: photograph 1

fitting rule

alignment rule

212

store

214

paper setting

reference paper size

longitudinal

lateral

resize possible resize impossible

maximum print size

postal card

Fig. 21
[図20]

制限情報の設定 setting up restriction information OK 268

	AX	BX	光	L	2L	はがき	100 × 150	4 × 6
USD1	基準	○	○					
USD2				基準	○			
USD3						基準	○	○

Handwritten annotations:

- 264 points to the "AX" header.
- 260 points to the "BX" header.
- 266 points to the "光" header.
- 262 points to the "L" header.
- elongation size points to the "2L" header.
- postal card points to the "はがき" header.
- 262 points to the "USD1" row.
- 262 points to the "USD2" row.
- 264 points to the "USD3" row.
- 262 points to the "基準" cell in the "USD1" row.
- 264 points to the "基準" cell in the "USD2" row.
- 264 points to the "基準" cell in the "USD3" row.
- 266 points to the "○" cell in the "USD1" row.
- 266 points to the "○" cell in the "USD3" row.
- reference points to the "USD1" row.

FIG. 22

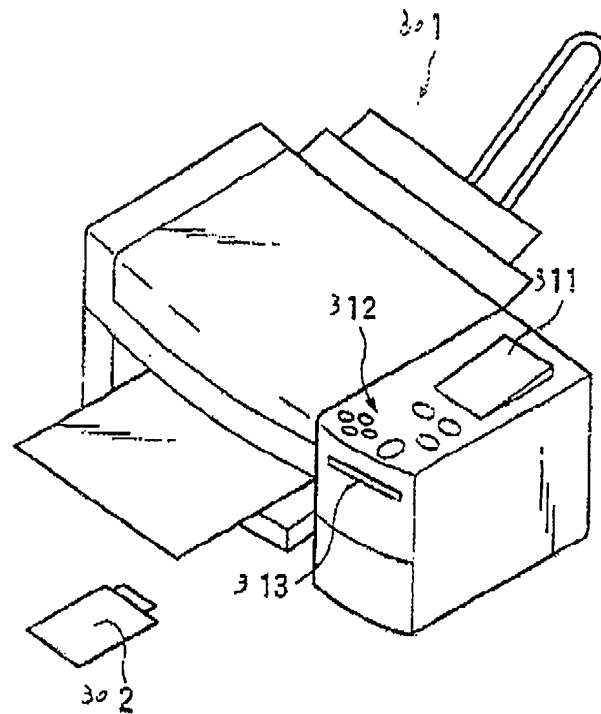


FIG. 23

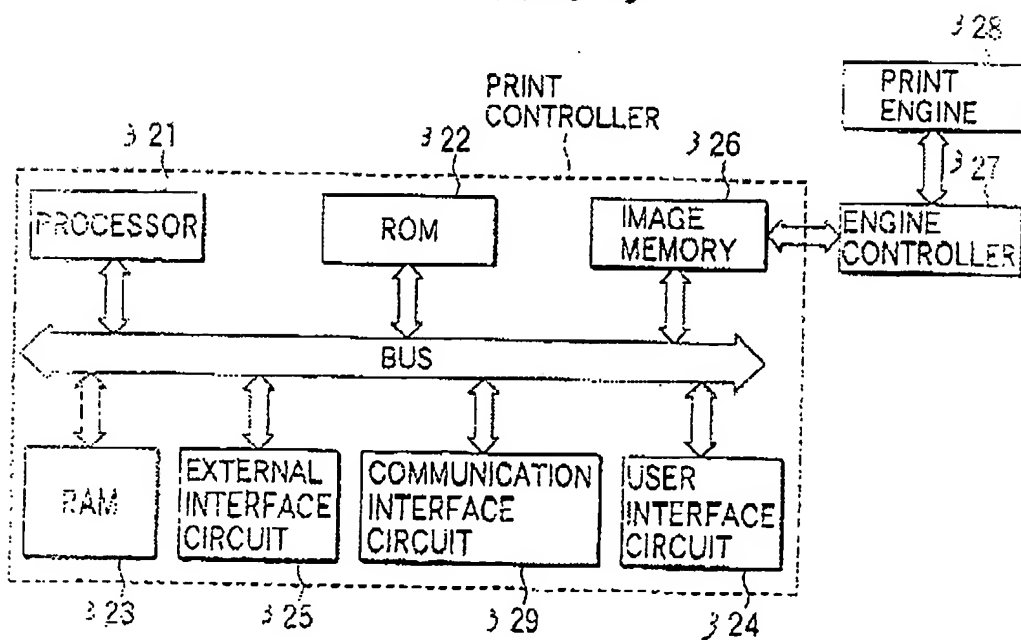


FIG.3 24

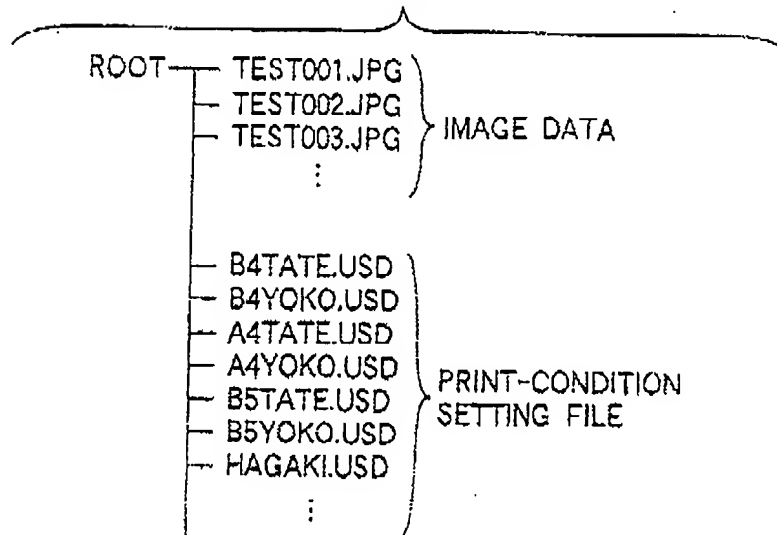


FIG.4 25

```

01 : [HEADER]
02 : HeRevision=02.10
03 : HdAuthor="SEIKO EPSON Corporation"
04 : HdCopyright="SEIKO EPSON Corporation"
05 : HdCopyFrag=Possible
06 : HdChangeFrag=Possible
07 : HdKeyWord=""
08 : HdTitle=""
09 : HdComment=""
10 : HdDirection=Vertical
11 : HdCapacity=12580
12 : HdThumbnail="¥001¥THUMB. USF"
13 : HdPhysicalPaperSize=3.5X5
14 : HdManginess=42, 198, 42, 42

15 : [PAGE]
16 : DrawPicture(" ", 1, 0, 0, 1176, 1560, 0, 2, 4)
  
```


FIG. 5 26

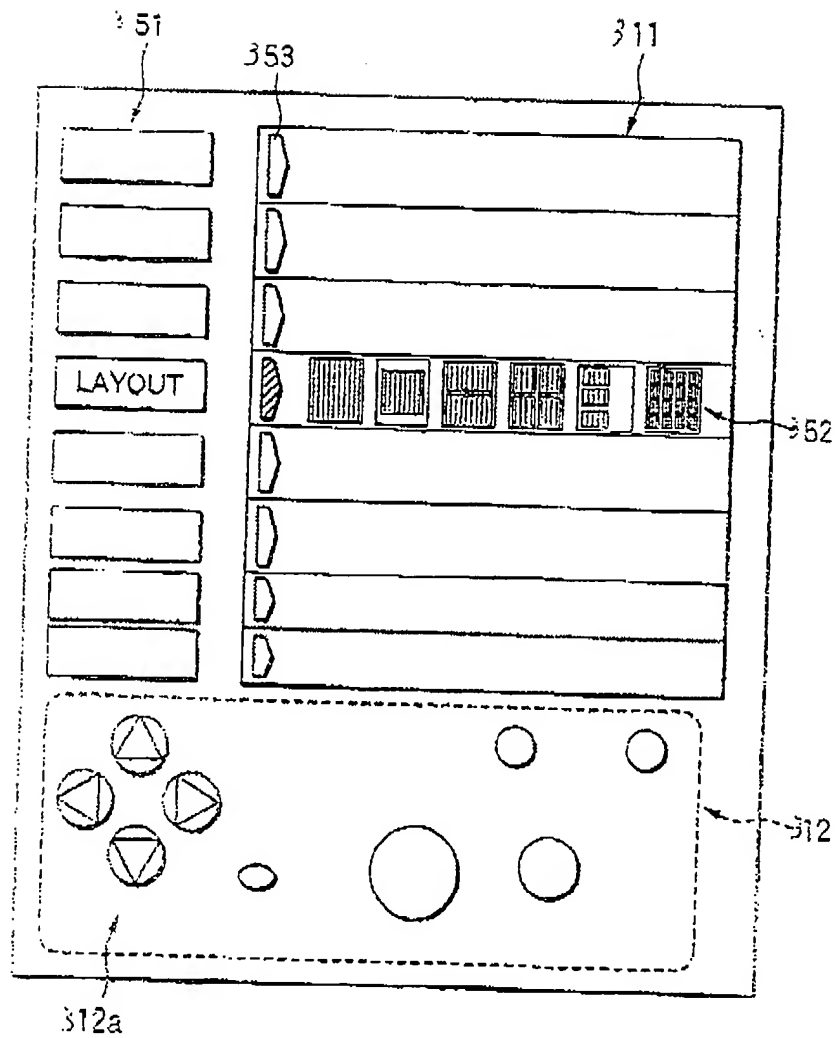


FIG. 627

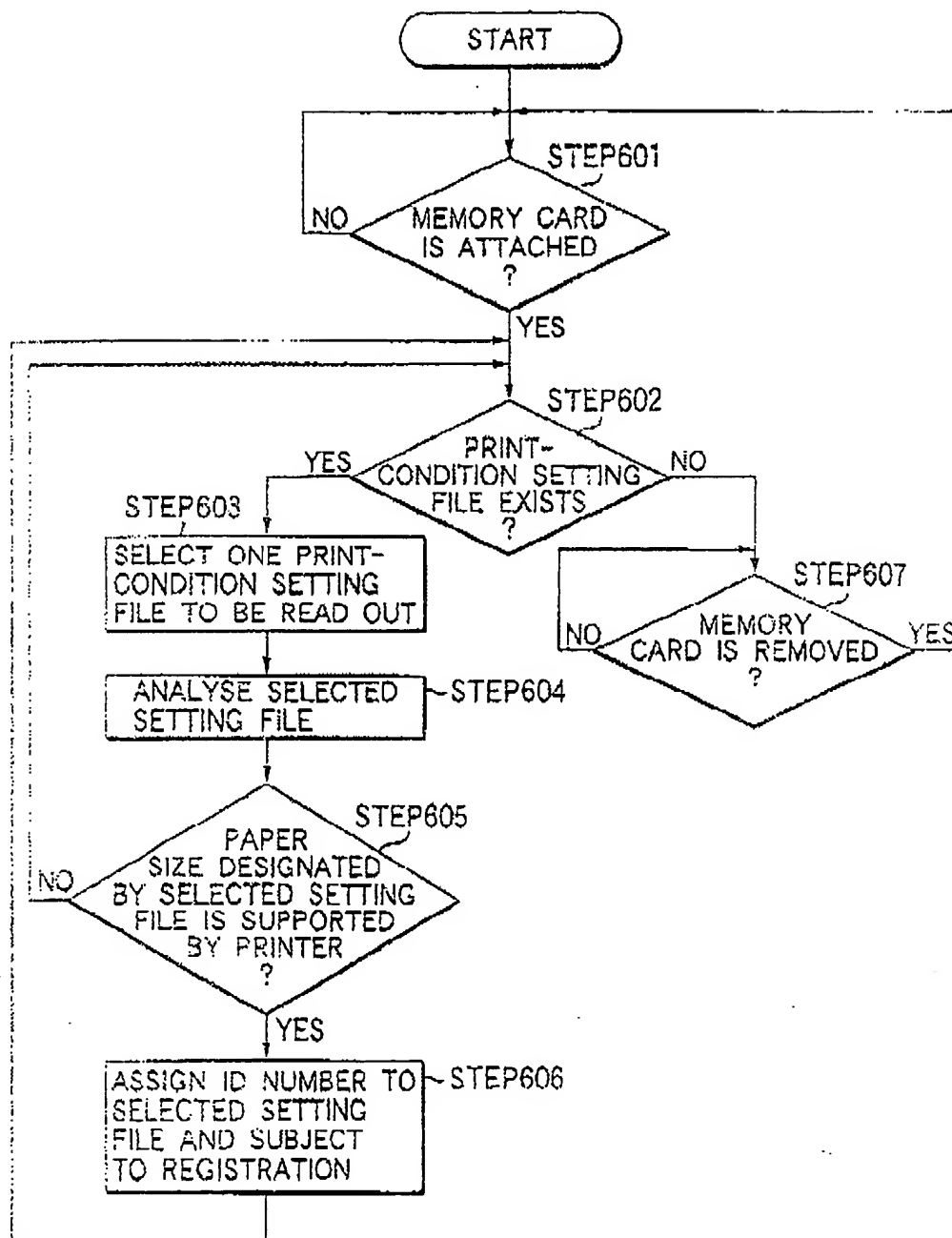


FIG. 728

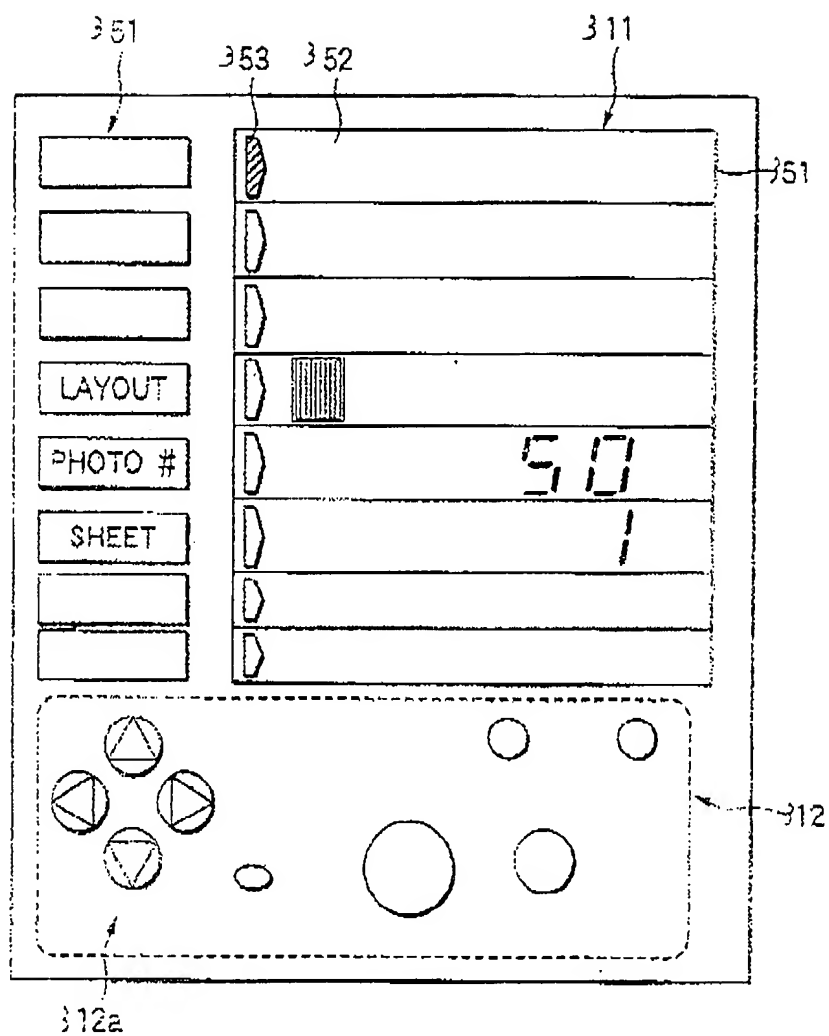


FIG. 829

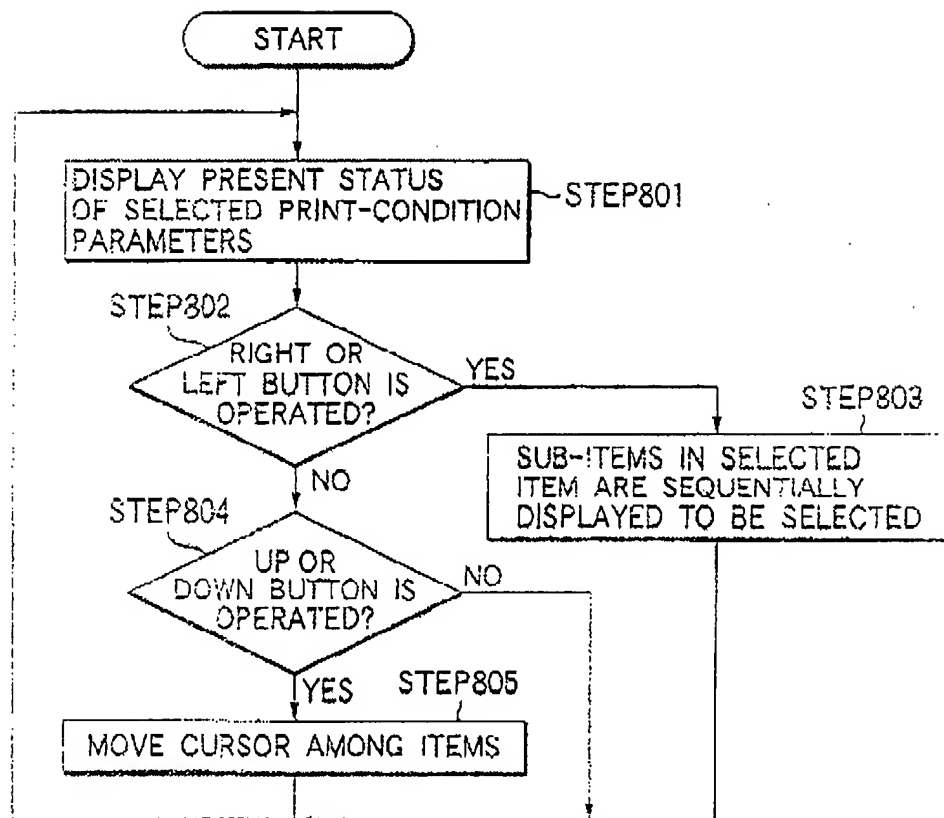


FIG. 930

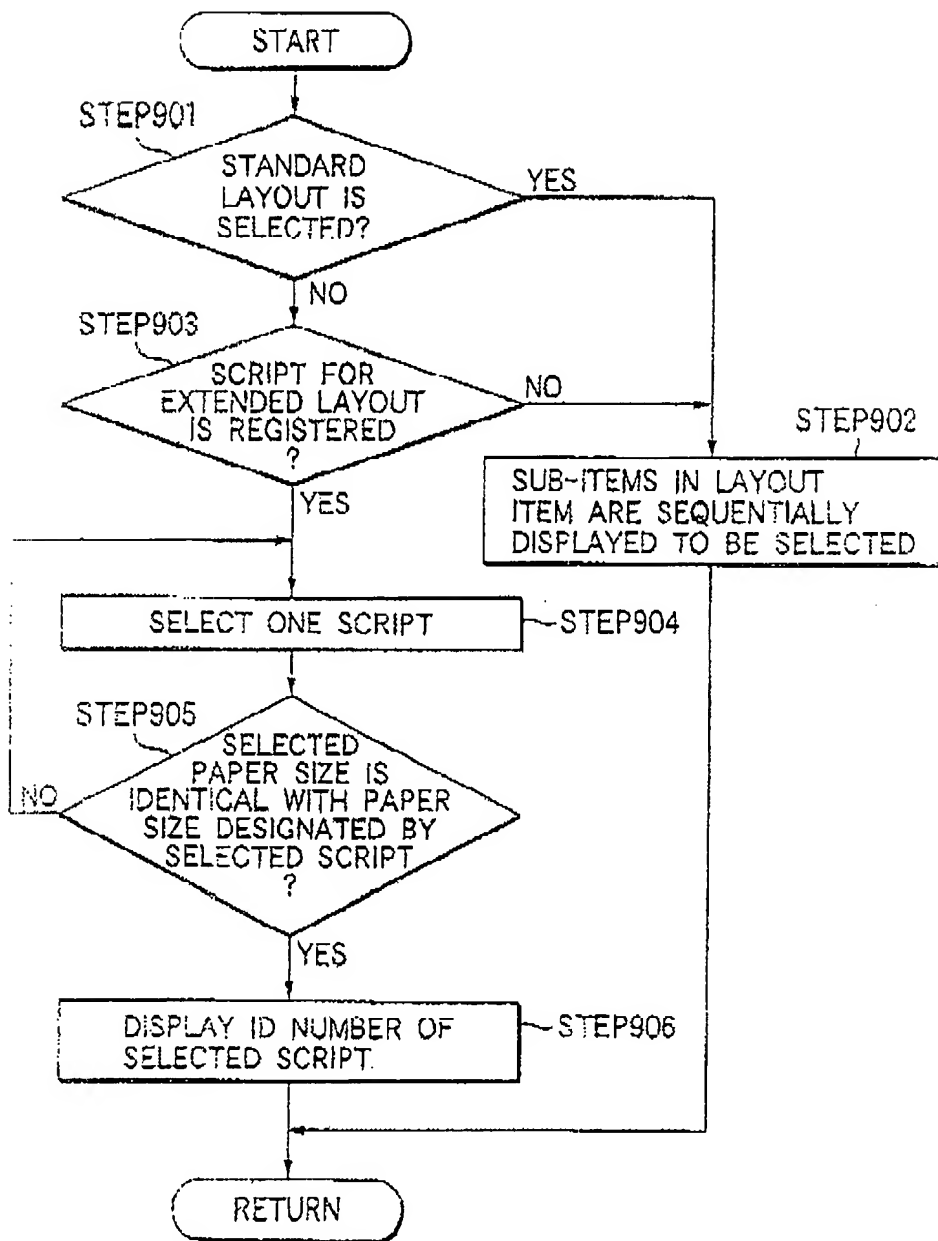
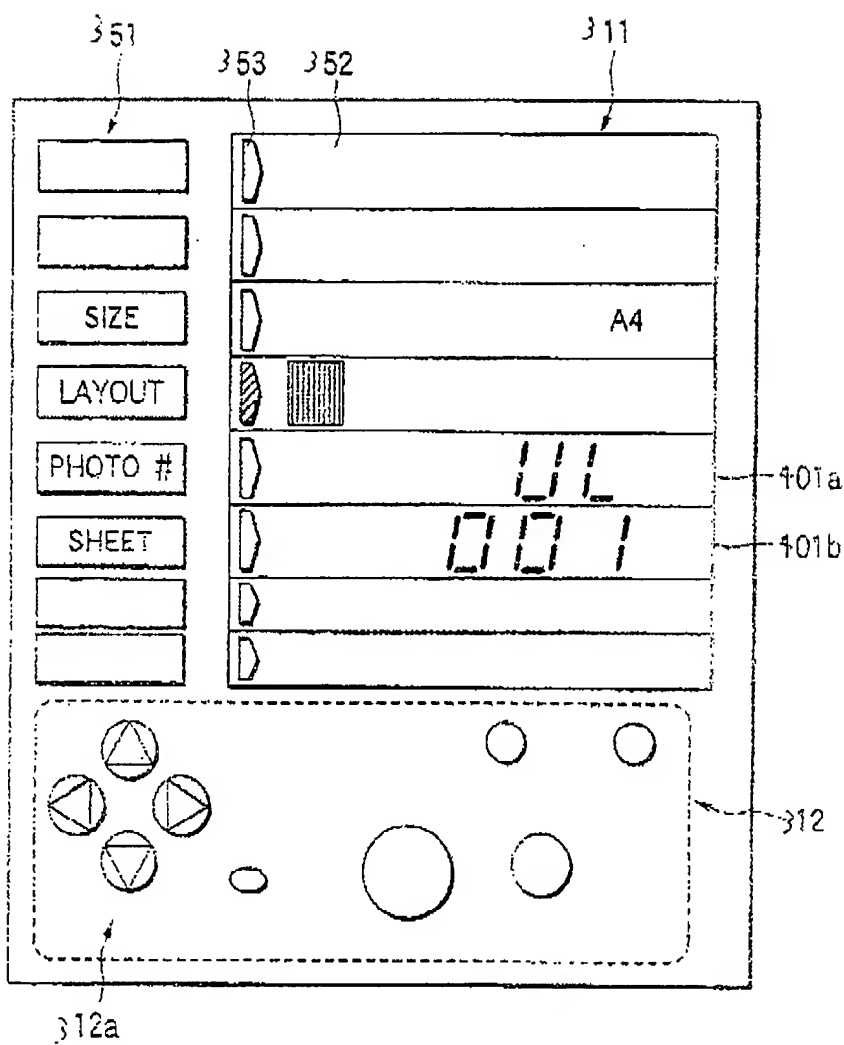


FIG. 1031



32A
FIG. 1A

B4TATE. USB
B4YOKO. USB
A4TATE. USB
A4YOKO. USB
B5TATE. USB
B5YOKO. USB
NENGA. USB
HIKKOSHI. USB
KEKKON. USB



32B
FIG. 1B

001 : A4TATE. USB
002 : A4YOKO. USB
003 : NENGA. USB
004 : HIKKOSHI. USB
005 : KEKKON. USB



FIG. 1C
32C

STANDARD LAYOUT

UL001 → UL002

FIG. 1D
32D

STANDARD LAYOUT

UL003 → UL004 → UL005